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September 11, 1959

Dr. Barbara Holcman de Spector
Universidad De La Republica
Facultad de Humanidades y Ciencias
Cerrito 73
Montevideo, Uruguay

Dear Dr. Holcman de Spector:

Your letter of July 13th was eventually forwarded to me.

I am afraid I do not understand the basic design of your experiment especially part 5. What markers were you trying to transfer from *Salmonella typhimurium* to *Salmonella enteritidis*? How were you selecting against the existing *S. enteritidis* in order to demonstrate the appearance of new forms? Perhaps your letter merely omitted the obvious, but this is, after all, the central feature of the experiment. If you have an adequate selective system and still cannot find transduction it might then be appropriate to titrate the level of bacteriophage in your supernatants. It would also be important to verify that the recipient strain could adsorb the phage.

The purpose of centrifugation is simply to remove the bacteria. I should think that 20 or 30 minutes at 2800 r.p.m. would suffice for this purpose.

Yours sincerely,

Joshua Lederberg
Professor of Genetics

Holcman de Spector, B.